

20031002.ba v03_n552.bam.20031002

>From ???@??? Thu Oct 2 13:46:07 2003 -0500
Message-Id: <200310021845.h92Ijv89014986@sco.theporch.com>
Date: Thu, 2 Oct 2003 13:44:08 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3552

BOATANCHORS Digest 3552

Topics covered in this issue include:

- 1) classic exchange AM
by "Robert G. Flory" <RobandPJ@compuserve.com>
- 2) Wanted: Fuse holder covers ARC-5 Modulator, ARC-3 Junction Box
by WA5CAB@cs.com
- 3) Re: Classic Exchange AM indeed!
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 4) CX TEST
by Paul Beckwith <beckrep@citlink.net>
- 5) Re: CX TEST
by Ralph Parker <rparker@dccnet.com>
- 6) Re: Classic Exchange AM indeed!
by john <johnmb@nc.rr.com>
- 7) G76
by Paul Beckwith <beckrep@citlink.net>
- 8) SAQ Transmissions Now Available
by Jerry Proc <jerry.proc@sympatico.ca>
- 9) Re: G76
by Steve Berg <wa9jml@tbc.net>
- 10) Re: G76
by "Hue Miller" <kargo_cult@msn.com>
- 11) Re: Classic Exchange AM indeed!
by "Hue Miller" <kargo_cult@msn.com>
- 12) Email Bounces
by David Stinson <arc5@ix.netcom.com>
- 13) CCA Net Heterodyne
by "Smith" <smithab11@comcast.net>
- 14) Re: G76
by Steve Berg <wa9jml@tbc.net>
- 15) G76
by brian.k.harris@philips.com
- 16) Re: G76
by Garey Barrell <k4oah@mindspring.com>
- 17) HALLI SX-100 MUSINGS
by JOHN.SEHRING@ecunet.org
- 18) Re: G76 on 20CW / u a sissy?

by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
19) Re: ---REMAINDER...
by John Shriver <jshriver@sockeye.com>
20) Re: ---REMAINDER...
by Garey Barrell <k4oah@mindspring.com>

Date: Wed, 1 Oct 2003 07:02:07 -0400
From: "Robert G. Flory" <RobandPJ@compuserve.com>
Subject: classic exchange AM
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200310010702_MC3-1-50F3-20E0@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Hi,

I was disappointed by the lack of activity on 10 meters, as the band was wide open most of the day. We did work one station in Utah. We spent an hour shouting at a French station with no luck.

Trying to fight the QRM and the solder-to-talk monopoly on 20,40, and 80 was not too appealing as we were having too much fun on CW. I quit early = to play with my kid so I did not try 160AM as I had hoped.

We had a great time on CW working all sorts of rigs that you could tell were not "recently-built radios of Japanese origin".

73, Rob K2WI
Host of K2TOP

From: WA5CAB@cs.com
Message-ID: <f6.3113e431.2cac4fe9@cs.com>
Date: Wed, 1 Oct 2003 11:42:33 EDT
Subject: Wanted: Fuse holder covers ARC-5 Modulator, ARC-3 Junction Box
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_f6.3113e431.2cac4fe9_boundary"

--part1_f6.3113e431.2cac4fe9_boundary

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Groups,

Need two. A friend in Okla. is restoring an AN/ARC-3 and needs them for the J-68/ARC-3 Junction Box. Same ones are used on MD-7/ARC-5 and BC-456. I think there were two or maybe three styles, black wrinkle finished aluminum, black plastic and maybe plain anodized aluminum.

73

Robert Downs - Houston
<<http://www.wa5cab.com>>
<wa5cab@cs.com>

--part1_f6.3113e431.2cac4fe9_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1_f6.3113e431.2cac4fe9_boundary--

Date: Wed, 1 Oct 2003 12:08:17 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200310011608.MAA10000@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Classic Exchange AM indeed!

indeed squared. KW-1, haurumppph.

I USED A COSMOPHONE 3 times on 20 ssb to qualify it. With God & W8UT as my witness.

But no AM stuff out here at all.

Ran a KWM-1* & a G-76 thru a 20m quad for pile 'o 20CW contacts. Even qualified 32V3 & 51J4 on 20.

20, 20, 20... it stayed open 'til 9P plus. CW sigs. great. Did make

a couple 'o 40CW contacts ~0300Z & then went qrt.

One note & that's on G76. It's 6DQ5 final was running away key-up. Took a bit to go figger but a 6DQ5 change-out fixed her (right gender?)

A G-76 on 20CW is an operating challenge. .5 khz on the VFO 'dial' is .0014 radians. Convert that to angles units mavens.

In spite of the AM absence, I had some fun

In the winter dealy, let's meet on 40 & wring all these stations out on AM I've got 5 to bring up & no question our region can run off & hide in the points picture.

Example: Nick's 6 stn.s X 3 contacts ea. is a bunch. Combine that with my 5 each working his 6 3 times x 3 & you start numbers that look like a factorial experiment

LETS DO IT

BTW, one of my things is a TCS running into a Henry 2KD 'active tuner' (tnx 'oid). Another is a RS-6 stupid quad sardine can blivot w. a SB200 providing "shoes for the baby."

Marty

*ran it Monday & worked F5BBD @ 28.507. MUF's really been up there

one guy privatley wrote he heard an outa-window weak SSB signal calling the 'M1 on 14057. Guy thot he sed rogue's handle was Powers. But perhaps he was talking about signal strength.

Message-Id: <5.0.0.25.2.20031001120452.03322eb0@pop3.citlink.net>

Date: Wed, 01 Oct 2003 12:18:45 -0700

To: Old Tube Radios <boatanchors@theporch.com>

From: Paul Beckwith <beckrep@citlink.net>

Subject: CX TEST

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I was very disappointed in the CW turnout, as well, especially since the CX's are very high on my things-to-do list. Spent the preceding weeks getting the new antenna tuned properly and getting a bunch of stations set up and ready to go. Last CX, I qualified nine stations from here and had set up more for this time.

Unfortunately, the turnout was unusually poor. Also, it's a lot different

out here in AZ than it was in NY, in that there's virtually no 40m activity during the afternoon. At 1730 local time, all I could hear was two weak East Coast stations on 20m, and nothing on 40m or 80m. It didn't pick up much at all, so I threw in the towel early.

Hopefully, the February CX will bring out more activity.

We should be thinking about having an informal CX night now and then during the winter months.

Paul K2LMQ

Message-Id: <3.0.5.32.20031001125729.0084adf0@pop3.dccnet.com>
Date: Wed, 01 Oct 2003 12:57:29 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@dccnet.com>
Subject: Re: CX TEST
Mime-Version: 1.0
Content-Type: text/plain; x-avg-checked=avg-ok-76655265; charset=us-ascii

>...it's a lot different out here in AZ than it was in NY, in that there's
>virtually no 40m activity in the afternoon...

All same here in BC.

I disagree with the 3 QSO minimum, as sometimes in the past I have not been able to manage 3 QSOs with a particular rig/band, in spite of CQing and calling others. Obviously a different situation in the eastern part of the continent.

I didn't have much time available, and was able to get only one rig on, and only on 40m CW Sunday evening. Missed a lot of the regulars.

It was fun nevertheless, as always.

>We should be thinking about having an informal CX night now and then during
>the winter months.

A great idea for those of us who can't always make the two scheduled dates per year.

VE7XF

Message-Id: <3.0.3.32.20031001171822.0254b8fc@pop-server.nc.rr.com>
Date: Wed, 01 Oct 2003 17:18:22 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: Classic Exchange AM indeed!
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Before I knew it was a poor CW rig, I worked BiCentennial WAS with my G76,(in 1976, natch!) with indoor dipoles in a cinder block and rebar/poured concrete studio apartment...mostly on 15m, CW only.

The best thing about the G76's lack of CW filters was that the receiver section drifted so much it would have drifted out of the filter passband if it was any narrower than the 3-4 KC that it seemed to be.

Never made an AM contact with it, and traded it off for a mint HQ150 that I still have.

Lot's o' power dissipation in that lil' G76 box!

John K5MO

At 12:08 PM 10/1/03 -0400, Marty's Refl. Drop wrote:

>indeed squared. KW-1, haurumppph.

>

>I USED A COSMOPHONE 3 times on 20 ssb to qualify it. With God &
>W8UT as my witness.

>

>But no AM stuff out here at all.

>

>Ran a KWM-1* & a G-76 thru a 20m quad for pile 'o 20CW contacts. Even
>qualified 32V3 & 51J4 on 20.

>

>20, 20, 20... it stayed open 'til 9P plus. CW sigs. great. Did make
>a couple 'o 40CW contacts ~0300Z & then went qrt.

>

>One note & that's on G76. It's 6DQ5 final was running away key-up. Took
>a bit to go figger but a 6DQ5 change-out fixed her (right gender?)

>

>A G-76 on 20CW is an operating challenge. .5 khz on the VFO 'dial'
>is .0014 radians. Convert that to angles units mavens.

>

>In spite of the AM absence, I had some fun

>

>In the winter dealy, let's meet on 40 & wring all these stations out on AM
>I've got 5 to bring up & no question our region can run off & hide
>in the points picture.

>

>Example: Nick's 6 stn.s X 3 contacts ea. is a bunch. Combine that with
>my 5 each working his 6 3 times x 3 & you start numbers that look like
>a factorial experiment

>
>LETS DO IT
>
>BTW, one of my things is a TCS running into a Henry 2KD 'active tuner'
>(tnx 'oid). Another is a RS-6 stupid quad sardine can blivot w. a SB200
>providing "shoes for the baby."
>
> Marty
>
>*ran it Monday & worked F5BBD @ 28.507. MUF's really been up there
>
> one guy privatley wrote he heard an outa-window weak SSB signal calling
> the 'M1 on 14057. Guy thot he sed rogue's handle was Powers. But perhaps
> he was talking about signal strength.
>
>

Message-Id: <5.0.0.25.2.20031001145434.033302b0@pop3.citlink.net>
Date: Wed, 01 Oct 2003 14:57:02 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Paul Beckwith <beckrep@citlink.net>
Subject: G76
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

K5M0 said: "Lot's o' power dissipation in that lil' G76 box"!

I'll vouch for that. Managed to actually produce flames a couple of times,
but it still runs FB.

Paul K2LMQ

Message-ID: <3F7B5ED3.8C12A5DF@sympatico.ca>
Date: Wed, 01 Oct 2003 19:10:11 -0400
From: Jerry Proc <jerry.proc@sympatico.ca>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SAQ Transmissions Now Available
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,

The only high powered Anderson Alternator CW transmitter still in
working condition was fired up in Sweden on 17.2 kHz for its annual run

on June 28 this year.

Here is an MP3 file of the transmission captured by KK7KA in Paris:
<http://www.scgroup.com/ham/saq-030629-0830-paris.mp3>

Lots of filtering and wizardry were required to pull the signal out of the mud even as close as Paris. There were some keying faults at the transmitter, hence some drops.

The full story is available on page 52 from The Canadian Amateur in the column written by Bob Eldridge VE7BS.

--

Regards,
Jerry Proc VE3FAB
Toronto, Ontario
e-mail: jerry.proc@sympatico.ca
<http://webhome.idirect.com/~jproc/ve3fab>

Message-ID: <3F7B720E.8823B4C8@tbc.net>
Date: Wed, 01 Oct 2003 19:32:14 -0500
From: Steve Berg <wa9jml@tbc.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: G76
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I still have the one that I bought used from AES in 1965. Mine got plenty of contacts on 6 meters, and is not all that bad on the other bands, though the bandspread on 80 meters is a bit small. An excellent rig, that combines the equivalent of a Ranger II and a NC-155 in one small package.

That comment ought to start a brawl!

73,

Steve WA9JML

From: "Hue Miller" <kargo_cult@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: G76
Date: Thu, 2 Oct 2003 01:45:31 -0700

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-ID: <BAY5-DAV1221Gj03oHM00001a7e@hotmail.com>

----- Original Message -----

From: "Steve Berg" <wa9jml@tbc.net>
> An excellent
> rig, that combines the equivalent of a Ranger II and a NC-155 in one
> small package.
>
> That comment ought to start a brawl!

Interesting analogy. No brawl, but it seemed to me to have more design, uh, flaws, than the transmitter + receiver you mention. I understand Gonset widened the IF to compensate for drift, after gripes about the drift started coming in. Also, the dial tuning speed and resolution is not something i was ever really comfortable with.

And it does run really warm.

Hue Miller

From: "Hue Miller" <kargo_cult@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Classic Exchange AM indeed!
Date: Thu, 2 Oct 2003 02:33:40 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-ID: <BAY5-DAV1302N33FIAj000019e0@hotmail.com>

Marty, you used a G-76 on 20 cw?

Why am i such a sissy?

-Hue Miller

Message-ID: <3F7C1A27.31316E13@ix.netcom.com>
Date: Thu, 02 Oct 2003 07:29:28 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Email Bounces
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Anything written to me in the last two days will have bounced because of the damnable SWEN worm. Situation corrected. Thanks.

Message-ID: <001d01c388eb\$74963900\$daf22144@dover01.de.comcast.net>
From: "Smith" <smithab11@comcast.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: CCA Net Heterodyne
Date: Thu, 2 Oct 2003 09:45:34 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While checking in the CCA net last evening(Wednesday), a four call area station was making some comments. During his comments and while he was transmitting, a heterodyne came on and created some QRM. However what got my attention was while the four station was talking he commented that he could hear the heterodyne. MY QUESTION: how did he hear the heterodyne while he was transmitting, I assume that he must have a remote receiver site, would the four station please comment either on or off list.

Breck k4che
Dover, Delaware,
annt nutten in Dover, except chickens, a NASCAR track and hams that can't solder. But the beach is close!

Message-ID: <3F7C48C7.40E3F661@tbc.net>
Date: Thu, 02 Oct 2003 10:48:23 -0500
From: Steve Berg <wa9jml@tbc.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: G76
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The G-76 was apparently designed mostly for mobile use. This was back in the days when cars actually had some room in them. Today, one is hard pressed to put anything much bigger than a cigar box into most passenger compartments. With this design goal in mind, you can see why the rig was set up the way it was. The broader receiver made it easier to tune in stations on AM while driving. I suspect that the cw was put

in there as an afterthought. Additional compromises were incorporated to make it more compact, and hence it ran hotter. I used mine on 6 meter contests in the 1960s and it did fine. Friends used theirs on 10 meter AM to good effect. Yes, it does drift, but then most of the rigs of that vintage I have used do also. It gives you a 100 watt plate modulated transmitter with a reasonably stable vfo on 80 to 10. I used mine with a Lafayette vfo on 6 and it drifted, but this did not seem to bother most of the stations I worked. I used crystals for 6 meter CW. The receiver was adequate, also, and was dual conversion. Is the equivalent of an S-Line? No, but it is capable of making a lot of contacts within its limitations. I certainly would put it up against a Heath station with a DX-60 and an HR-10.

Steve

From: brian.k.harris@philips.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: G76
MIME-Version: 1.0
Message-ID: <0F5A74C53B.B16FEFDC-
ON88256DB3.004CB94F-80256DB3.003706EE@diamond.philips.com>
Date: Thu, 2 Oct 2003 16:59:02 +0100
Content-Type: multipart/alternative; boundary="=_alternative 003706EB80256DB3_="

This is a multipart message in MIME format.
--=_alternative 003706EB80256DB3_
Content-Type: text/plain; charset="us-ascii"

Indeed, the G76 has some minor flaws but Electric Radio had a good article describing fixes. During its 2002 restoration I included all of these except the temperature compensation to minimize the TX VFO drift. Before operating on 20 meters and above I would complete this worthwhile exercise. I only use mine on 75 meters and the drift is not an issue. The transmitter has good audio and the receiver sounds as good as my NC-300. Since I have a second unrestored G76, I could be convinced to sell the restored one (including its correct AC supply) for less than the cost of a Ranger II and an NC-155. Also available is the companion (untested) 12V mobile supply. If you're interested please contact me.

Brian K. Harris, Senior Field Application Engineer, WA5UEK
Southwestern United States and Mexico

Philips Semiconductors
2140 Lake Park Blvd. Suite 200
Richardson, Texas 75080 USA

Office: 972-705-2484 (Use This First)

Fax: 972-480-9617
Mobile: 214-763-5977
EMAIL brian.k.harris@philips.com

"Hue Miller" <kargo_cult@msn.com>
Sent by:
owner-boatanchors@theporch.com
2003-10-02 09:45 AM
Please respond to kargo_cult

To: Old Tube Radios <boatanchors@theporch.com>
cc: (bcc: Brian K Harris/SVL/SC/PHILIPS)
Subject: Re: G76
Classification:

----- Original Message -----

From: "Steve Berg" <wa9jml@tbc.net>
> An excellent
> rig, that combines the equivalent of a Ranger II and a NC-155 in one
> small package.
>
> That comment ought to start a brawl!

Interesting analogy. No brawl, but it seemed to me to have more design, uh, flaws, than the transmitter + receiver you mention. I understand Gonset widened the IF to compensate for drift, after gripes about the drift started coming in. Also, the dial tuning speed and resolution is not something i was ever really comfortable with.
And it does run really warm.
Hue Miller

--=_alternative 003706EB80256DB3_=

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
* (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--=_alternative--

Message-ID: <3F7C5453.50504@mindspring.com>
Date: Thu, 02 Oct 2003 12:37:39 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: G76
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Is anyone else getting this notice INSTEAD of the post?

Or am I the only one?

Garey - K40AH

brian.k.harris@philips.com wrote:

```
> * * * * *
> *      ---REMAINDER OF MESSAGE TRUNCATED---      *
> *      This post contains a forbidden message format      *
> * (such as an attached file, a v-card, HTML formatting) *
> *      Mail Lists at theporch.com only accept PLAIN TEXT      *
> * If your postings display this message your mail program *
> * is not set to send PLAIN TEXT ONLY and needs adjusting *
> * * * * *
>
> --=_alternative--
>
```

Date: Thu, 2 Oct 2003 12:51:03 -0400 (EDT)

Message-Id: <200310021651.h92Gp3Rm317758@wine.ecunet.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HALLI SX-100 MUSINGS
From: JOHN.SEHRING@ecunet.org

To: boatanchors@theporch.com

I know this is an old note, but...

> From: "Paul Christensen, Esq." <w9ac@arrl.net>
> To: Old Tube Radios <boatanchors@theporch.com>
> Subject: Re: It Had To Happen
> Date: Tue, 8 Jul 2003 18:50:42 -0400

> rounded out the transmitter. I still own the receiver...a Hallicrafters
> SX-100 MKII. Although the SX-100 is still "mint" it is as microphonic
> today as it was thirty years ago. Was there EVER a SX-100 produced that
> didn't jump up and down 5 kHz upon the accidental sneeze by the
> operator?
>
> -Paul, W9AC

Careful attention to end play in both main & bandspread caps to get amount of friction just right will help a lot. You have to bend the frame of the bs cap to adjust it, but main cap has adjustment. Also, ditto to gears driven by tuning knobs. Main tuning driven purely by gears but bandspread by gears via dial cord. Right amount of tension in bs dial string (ss wire) is important. Backlash is a usual problem with bs tuning. Basically, you want just a tiny bit *less* friction at the vari cap than at the bs knob/gear/dial end of things. If it's the other way around, you'll invite backlash between indicated freq (@dial) & actual freq (@ bs vari cap).

I like my SX-100 a lot electrically but the chassis mech stability stinks. I'll eventually add some bracing to it in just the right places. Halli did fix problem in SX-101 but at huge cost in weight, size & \$\$\$\$. The SX-101 & 101A had vy much same ct. as SX-100.

My -100 has the SSB/CW product detector a la SX-101A installed. Works FB! Also, AGC time constants a la -101A for AM/SSB switchable w/o an added switch. I sub'd DPDT center-off switch for AVC on/off switch.

Have also added IF noise blanker a la SX-115, uses just 2 diode clippers in late IF ct. Works pretty good.

The orig. -100 AGC ct. gets its voltage from a wider selectivity point than the -101A, so the AGC can desensitize the radio from strong, off channel sigs. I put the -101A ct into the -100, works excellently. Even there

seems to be plenty of AGC action, one thing I never did tho was to check for the relative amount of AGC voltage produced by the original -100 ct vs. the -101A ct. installed in the -100. Wish I had done that just for curiosity.

Another thing to try is 6DC6 sub for 6BC5/6CB6 RF amp a la -101A. Plugs in. Has more gain. Screen ct. in 101A is slightly diff than 100, easy to try in -100. 6DC6 was supposed to be more cross-mod proof. Also used in same app in Collins 75S* radios.

The 6C4 in the 50 kHz IF notch filter box above the chassis seems almost redundant. Exact same notch ct. in -101A doesn't have the 6C4 but -101A also uses higher gain 6DC6 in last IF.

I've also played with the R's in the selectivity selection to get the coupling/damping just right. By that I mean a nice, *slightly* double-humped peak at @ selectivity position. That's best for one sideband/full carrier reception of AM sigs, too. You can also change some of the cap values there to get diff. degrees of selectivity. The diff. Halli radios in this line used diff. cap values to do this.

I also heat the L0 fil continuously with a small separate fil xfmr for stability. Added an always-on 3.3K heating resistor under L0 area a la -101.

I have had great fun tracing the evolution of the Halliscratchers radios circuits from the S-76 onward to the SX-115. That 50 kHz 2nd IF area has changed really vly little considering the time span. There's lots of stuff to adapt to earlier radios here. I've owned -100, -101, & -101A, have paper for almost all others.

I've never cured the L0 pulling problem in my -100 above about 22 MHz. It makes 10 m SSB sound silly! I think it's endemic to the L0/mixer ct used, L0 cathode feed of mixer. More sig in mixer means more current in L0, so... Is a buffer the answer? SX-101 & beyond fixed problem with a quite different L0/mixer ct. (12BY7 & 6BY6).

-John Sehring (Thu, Oct 2, 2003, 11:08 am) UCC WB0EQ
"Live long and prosper." -John 10.10b (adapted)

Date: Thu, 2 Oct 2003 14:01:17 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200310021801.0AA10607@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: G76 on 20CW / u a sissy?

Yayuzz, I did it... & tweeked NONDM 'cause I called him b4 he'd finished

a qso w. someone. But the damn (faust) Gonset RX had drifted & I cudn't tell

Spotting the 6DQ5's self oscillation forced me to spend a hour with the %\$#@ing thing. But if only for the dialog this made, sure worth it.

Some 20 yrs back me'n K4STN in mountain shack had just finished a 6M contact with someone & I went back for a "final final." The 6DQ5 went up in smoke 'cause it's whisker of a thru-bulb plate wire 'sploded.

Me'n 'STN had had a couple of cold ones & used the incident to assure each other how smoke 'n fire like that is what made "old timey ham radio" the fine habby it was! Burp.

BTW, 'STN once won one new in '60.

Message-ID: <3F7C68C0.8050103@sockeye.com>
Date: Thu, 02 Oct 2003 14:04:48 -0400
From: John Shriver <jshriver@sockeye.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: k4oah@mindspring.com
Subject: Re: ---REMAINDER...
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

This has come up before. There are deficiencies in the software that the list server uses to strip HTML from posts. It leaves the messages somewhat mangled. Whether you see this problem depends on which of the alternative formats of the message your mail reader chooses to display.

Whatever mail reader Jack uses must not have this problem, so he's not in a rush to fix it.

I have a copy of the source code of the filter, and may fix it someday.

I also know of another filter that does the same sort of thing and may be better.

(Technically, the filter is doing the same thing to alternate formats as it does to true attachments, and should do different things.)

Garey Barrell wrote:

> Is anyone else getting this notice INSTEAD of the post?
>
> Or am I the only one?
>
> Garey - K40AH
>

>
> brian.k.harris@philips.com wrote:
>
>> * * * * *
>> * ---REMAINDER OF MESSAGE TRUNCATED--- *
>> * This post contains a forbidden message format *
>> * (such as an attached file, a v-card, HTML formatting) *
>> * Mail Lists at theporch.com only accept PLAIN TEXT *
>> * If your postings display this message your mail program *
>> * is not set to send PLAIN TEXT ONLY and needs adjusting *
>> * * * * *
>>
>> --=_alternative--
>>

Message-ID: <3F7C71E8.2070200@mindspring.com>
Date: Thu, 02 Oct 2003 14:43:52 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: ---REMAINDER...
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

OK -

I got four "yes, I get the same thing", and three "I got the message fine" replies.....

One reply mentioned looking at "Message Source" to read the actual message "if I want to see it". I didn't know you could do that! :-)

Apparently some mail clients display the text from the "Message Source" and some don't! Hence why some of us have the problem and some of us don't. I'm using Mozilla.

So as long as some either can't or won't set their mail clients to send only plain text to the reflector, this will continue to happen. If you "really want to know what the sender actually sent", you can go to "Message Source" and read it along with all the other header stuff.

Learn something every day...

73, Garey - K40AH
Atlanta

John Shriver wrote:

```
> This has come up before.  There are deficiencies in the software that
> the list server uses to strip HTML from posts.  It leaves the messages
> somewhat mangled.  Whether you see this problem depends on which of the
> alternative formats of the message your mail reader chooses to display.
> Whatever mail reader Jack uses must not have this problem, so he's not
> in a rush to fix it.
>
> I have a copy of the source code of the filter, and may fix it someday.
> I also know of another filter that does the same sort of thing and may
> be better.
>
> (Technically, the filter is doing the same thing to alternate formats as
> it does to true attachments, and should do different things.)
>
> Garey Barrell wrote:
>
>> Is anyone else getting this notice INSTEAD of the post?
>>
>> Or am I the only one?
>>
>> Garey - K40AH
>>
>> brian.k.harris@philips.com wrote:
>>
>>> * * * * *
>>> *      ---REMAINDER OF MESSAGE TRUNCATED---      *
>>> *      This post contains a forbidden message format      *
>>> * (such as an attached file, a v-card, HTML formatting) *
>>> *      Mail Lists at theporch.com only accept PLAIN TEXT      *
>>> * If your postings display this message your mail program *
>>> * is not set to send PLAIN TEXT ONLY and needs adjusting *
>>> * * * * *
>>>
>>> --=_alternative--
>>>
>
>
>
>
```

End of BOATANCHORS Digest 3552
